

| REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER (ER 1130-2-306) | | | | | PAGE | 1 OF 1 | | |
|--|--|-------------------------------|--------------------|--|--|-------------------------------------|--------------------------------------|---------------------------------------|
| | | | | | DATE | | | |
| | | | | | April 2007 | | | |
| TO: The Record | | | | FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090 | | | | |
| RIVER/HARBOR NAME AND STATE: New York Harbor, Main Ship Channel, NY | | | | | MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD | | | |
| | DATE OF SURVEY | AUTHORIZED PROJECT | | | LEFT OUTSIDE QUARTER (feet) | LEFT INSIDE QUARTER (feet) | RIGHT INSIDE QUARTER (feet) | RIGHT OUTSIDE QUARTER (feet) |
| | | WIDTH (feet) | LENGTH (nmiles) | DEPTH (feet) | | | | |
| <u>Reach C (Widening at Junction with Sandy Hook Channel - eastward)):</u> From 650 ft. east of RED GAS 18 (along the Sandy Hook Channel) to approx. 1,000 ft. east of JUNCTION "SP" and thence along the right Main Ship Channel Line (Reach B) north to RED NUN 4. | Map 56 sheets 1 –2 of 7 Nov. 06 – Mar. 07 | Irregular "L" Shape | 1.0 | 30 | 26.8 | | | |
| <u>Reach B (Chapel Hill South Channel):</u> From junction with Sandy Hook Channel at JUNCTION "SP" to GREEN CAN 13 | Map 56 sheets 2 –4 of 7 Nov. 06 – Mar. 07 | 1,000 | 2.7 | 30 | 28.1 | 28.8 | 29.5 | 22.4 |
| <u>Reach A (Chapel Hill North Channel):</u> From GREEN CAN 13 to junction at Ambrose Channel | Map 56 sheets 4 – 7 of 7 Nov. 06 – Mar. 07 | 1,000 | 2.2 | 30 | 28.9 | 29.2 | 26.5 | 23.6 |
| REMARKS: <ul style="list-style-type: none"> All depths in Mean Low Water (MLW) Channel length is in nautical miles. Reach C (Widening at Junction with Sandy Hook Channel – eastward): Several isolated shoals starting at a point approx. 1,700 ft. west of RED GAS 18 and gradually spreads across the entire width of this reach before it ends at a distance 100 ft. north of RED NUN 2, with a minimum depth of 27.8 ft. Two minor shoals along the right channel line of this reach; one from the beginning to a point opposite to RED GAS 18 and the other between RED NUN 2 and RED NUN 4 with minimum depths of 26.8 and 28.1 respectively. Reach B (Chapel Hill North Channel): A combination of several shoals, 1,050 ft. in length, spread across the entire channel at the junction with Sandy Hook Channel with a minimum depth of 28.9 ft. Several minor narrow shoals, maximum 60 ft. wide, along the right and left channel lines with minimum depths of 22.4, 27.9 ft or more. Reach A (Chapel Hill South Channel): A shoal starting at a point opposite GREEN CAN 13 along the right channel line (with a minimum depth of 23.6 ft.) and expands into the right inside quarter at RED NUN 14 and continues north (with a minimum depth of 26.5ft.) and expands further across the entire channel with the combination of numerous small shoals at a distance approx. 2,600 ft. from the junction with the Ambrose channel (with a minimum depth of 28.3 ft.) before it ends 1,800 ft thereafter. | | | | | | | | |
| ENG FORM 4020-R, Nov 90 | | EDITION OF JUL 59 IS OBSOLETE | | | (Proponent: CECW-OM) | | | |